

SCDXC Newsletter



The Southern California DX Club is a group of dedicated men and women active in the amateur radio community who enjoy communicating over the air with other radio amateurs around the world.

The SCDXC strongly supports the DX Code of Conduct. Please visit their website:

www.dx-code.org

The SCDXC newsletter is published monthly and released to club members around the first of each month. Amateur and DX related letters, news and pictures are welcome and will be published as time and space permit.

Articles will be republished with recognition of the author and the club. Re-use of copyrighted materials require the original author's permission.

Any questions regarding this newsletter or its articles should be addressed to the Editor, Bill, N6RV at:

n6rv@scdxc.org

Club meetings are held on the second Thursday of the month at 7:30 PM except April, June, and December.

Please check the club web site for events and details at:

<http://www.scdxc.org>

If you are in the area please say hello on our repeater:

W6AM/R 145.48, (-) PL 100.0

Happy New Year!!!!



Announcements	2
From the Desk of the President: Scott Orr, W6MKO	4
2020 SCDXC Board of Directors	4
VP Notes: Doug Dowds, W6HB	5
January Calendar	5
Rumors on the Band	6
DX Standings	7
2019 Get Schroeder Contest	8
Modifying the Cushcraft MA-160V	10
Tid Bits	13
DX Resources	15
Visit (and support) our Advertisers	16



*If you need him get in
there and work him"*





Jerry Robinson, K6AV (SK)

August 26, 1943 - December 6, 2019 Jerry, beloved husband, father, grandfather, brother, uncle, passed away after battling melanoma. He was a proud LA Marathon Legacy Runner, Navy veteran, avid ham radio operator, yachtsman, Apple aficionado and successful salesman. He is survived by his wife, two sons, grandchildren, sister and nephews. In lieu of flowers, donations may be made to American Cancer Society, Melanoma Research.

Godspeed Jerry, dear friend and fellow DXer!



Christmas / Chanukah Party 2019

The food was good and the company was excellent! Lots of people and lots of smiles!!!

Next year should be even better! Don't miss it!!!!



**2020
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Scott Orr W6MKO

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Bill Kendrick N6RV

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From the Desk of the President

Scott Orr, W6MKO

Greetings,

Another year has come and gone; they seem to go so fast. I'm honored to be your President for 2020. It is not a position I take lightly and will do my best to represent the Southern California DX Club in the fashion you have come to know and expect

The Christmas party was a great time and it was great to see everyone who attended. I pray that everyone has a happy and healthy new year. I want to express my gratitude to Kris Jacob for the great job she did as president and for her continuing work she does for the club.

This year one of my objectives is to work to get new members into the club. Please encourage any DXer's that you know, who are not members, to join or at least attend a meeting. If anyone has any concerns or suggestions, please feel free to discuss them with me.

The International DX Convention registration is now open.

Until next time,
Scott Orr
2020 SCDXC President
W6MKO

Paul Merrill's, W7IV, big tower in Templeton



VP January 2020 Blurb

Doug - W6HB

Welcome to 2020 and here's hoping all had a good holiday season!

Per Spaceweather and NASA we have already received good news just 3 days after the winter equinox in that two reversed polarity sunspots were observed indicating the true beginning of Cycle 25. In addition they cited that we are NOT headed into a Maunder Minimum and 25 should be very similar to 24. Let it be good news for our DX community.

Our speaker for the meeting on January 9th will be Arnie, N6HC, presenting on the recent VP6R DXpedition. It is always nice when one of our own gives us the jump on what could be held over for the convention circuit. We also get a different view up close and personal.

During my tenure as President the club pulled the call sign K6DXC and more that a few members voiced a desire to use it for club entered events. I too would like to see that in the future too. If anyone wants to chair an event and or use it in a multi-op contest where members could timeshare the use please let your BOD know.

As to programs for 2020 I am more than open to any input from the members at large. I would really appreciate a few hands on and or technical presentations possible even including a build it night. Email me with your ideas.

73 and Good DXing!
Doug Dowds
W6HB



January Calendar

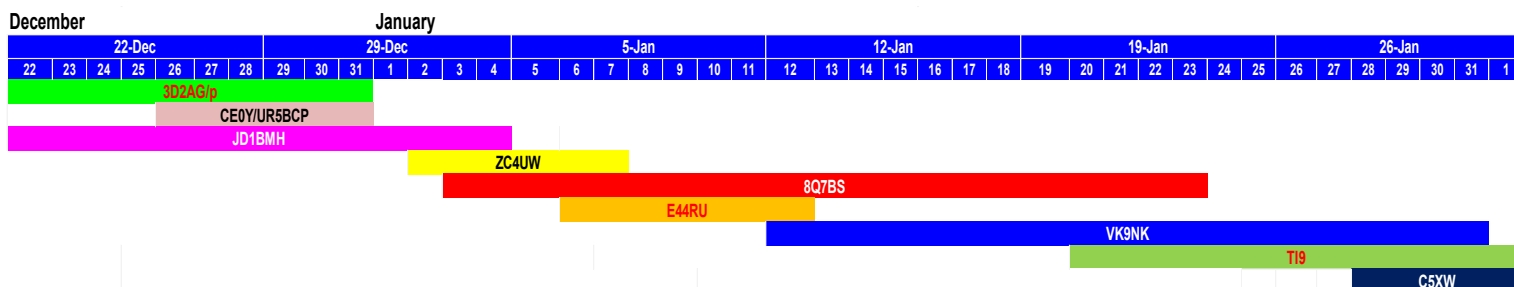
January	1	Straight Key Night
January	5	EUCW 160m Contest
January	9	Regular Meeting
January	12	YB DX Contest
January	25	UBA DX Contest SSB
January	26	CQ 160-Meter Contest CW

Rumors on the Band

Well the race is on again! This month seems a little lite but three rare DXpeditions will be happening. The Cypriot Bases are very rare as is Cocos Island. Jump in and work them! If you read this early you may be able to catch Rotuma!

QTH	Call	Start Date	End Date	Information
Easter Island	CE0Y/UR5BCP	Now	31-Dec	UR5BCP 60-6m CW SSB FT8 FT4
Rotuma	3D2AG/p	Now	31-Dec	3D2AG 160 80 60m CW SSB FT8 FT4
Ogasawara	JD1BMH	Now	4-Jan	JG7PSJ 80-10m CW SSB RTTY
Cyprus SBA	ZC4UW	2-Jan	7-Jan	G3ZAY M0BLF M0VFC G7VJR M0ZXA G7SOZ M0WUT M0BBB 160-10m CW SSB
Maldives	8Q7BS	3-Jan	23-Jan	RX3AMY
Palestine	E44RU	6-Jan	12-Jan	R7AL RA1ZZ RW9JZ R5ECZ 60-10m CW SSB FT8
Norfolk	VK9NK	12-Jan	31-Jan	SP9FIH; 160-10m CW SSB RTTY
Cocos Isl.	TI9	20-Jan	9-Feb	XE1B HK5OKY 160-6m SSB
Gambia	C5XW	28-Jan	7-Feb	G5XW 40-17m

DX for January



DX Standings

Bill McFarland, WA5VGI, updated both his challenge slots and WAZ standings. It seems the Guys Up North are really active. What about the Guys in the Basin? Where is every one?

Kent, N6WT, just received confirmation from 4U1UN. That moves his standings to 294. Kent is at the top of the heap for the 2019 Get Schroeder Contest and has been very active!

Greg De Hoogh, N6PM also posted a serious increase in his standings from 192 to 219! How about everybody else?

Bill, N6WS, forwarded his WAZ standings. These include the band that has no DX on it, 60 meters! If you have not included 60 meters in your standings please start and forward updates. In February we will be updating all standings.

I jumped the Gun! Jerry, K6QU, sent an email to remind me that Honor Roll standings are only current entities. That means we get to celebrate Jerry's success again when he makes Honor Roll!

N6WS

Zone	160	80	60	40	30	20	17	15	12	10	6	Total
1	C	C	C	C	C	C	C	C	C	C	C	11
2	D	C	C	C	C	C	C	C	C	C	C	8
3	C	C	C	C	C	C	C	C	C	C	C	11
4	C	C	C	C	C	C	C	C	C	C	C	11
5	C	C	C	C	C	C	C	C	C	C	C	11
6	C	C	C	C	C	C	C	C	C	C	C	11
7	C	C	C	C	C	C	C	C	C	C	C	11
8	C	C	C	C	C	C	C	C	C	C	C	11
9	C	C	C	C	C	C	C	C	C	C	C	11
10	C	C	C	C	C	C	C	C	C	C	C	10
11	C	C	C	C	C	C	C	C	C	C	C	11
12	C	C	C	C	C	C	C	C	C	C	C	10
13	C	C	C	C	C	C	C	C	C	C	C	10
14	C	C	C	C	C	C	C	C	C	C	C	11
15	C	C	C	C	C	C	C	C	C	C	C	11
16	C	C	C	C	C	C	C	C	C	C	C	9
17	W	C	C	C	C	C	C	C	C	C	C	8
18	C	C	C	C	C	C	C	C	C	C	C	9
19	C	C	C	C	C	C	C	C	C	C	C	9
20	D	C	C	C	C	C	C	C	C	C	C	9
21	D	C	C	C	C	C	C	C	C	C	C	9
22	D	C	C	C	C	C	C	C	C	C	C	9
23	W	C	C	C	C	C	C	C	C	C	C	9
24	C	C	C	C	C	C	C	C	C	C	C	11
25	C	C	C	C	C	C	C	C	C	C	C	10
26	D	C	C	C	C	C	C	C	C	C	C	9
27	C	C	W	C	C	C	C	C	C	C	C	9
28	C	C	C	C	C	C	C	C	C	C	C	10
29	C	C	C	C	C	C	C	C	C	C	C	9
30	C	C	C	C	C	C	C	C	C	C	C	9
31	C	C	C	C	C	C	C	C	C	C	C	11
32	C	C	C	C	C	C	C	C	C	C	C	10
33	C	C	C	C	C	C	C	C	C	C	C	11
34	D	C	C	C	C	C	C	C	C	C	C	7
35	C	C	C	C	C	C	C	C	C	C	C	10
36	C	C	C	C	C	C	C	C	C	C	C	10
37	D	C	C	C	C	C	C	C	C	C	C	8
38	C	C	C	C	C	C	C	C	C	C	C	10
39	D	C	C	C	C	C	C	C	C	C	C	8
40	C	C	C	C	C	C	C	C	C	C	C	9
Totals	160	80	60	40	30	20	17	15	12	10	6	
Worked	32	39	30	40	40	40	40	38	40	17	396	
Confirmed	30	39	29	40	40	40	40	38	40	15	391	
SB Conf	39		40		40		40		40		199	
Countries W	123	207	94	319	283	346	294	331	210	301	30	2538
Countries C	99	181	80	293	258	342	271	316	184	276	22	2522

Send any updates to:

N6RV@SCDXC.org

SCDXC WAZ and DXCC Standings

The first WAZ column is the confirmed zone count on 10 bands 160 - 6 (less 60 meters). The second column is the regular 5BWAZ confirmed count. The following are the codes that follow the two columns and indicate the awards:

M Mixed
P Phone
C CW
R RTTY

SCDXC Lifetime Standings										WAZ Standings				
Rank	Call	Total	Current	Slots	Rank	Call	Total	Current	Slots	Rank	Call	11B	5B	Awards
1	W6KH	389	340		62	AA6PW	328	328	1709	1	K6ND	378	200	M/5
2	K6KII	387	340		63	N6AX	327	327	1198	2	W6SR	378	200	M/P/C/5
3	JA1BK	383	340	3147	64	AC6DX	322	320	1887	3	K6FG	368	200	M/P/C/R/5
4	K6YRA	378	340	2272	65	KJ6Y	321	321	1312	4	WA5VGI	364	200	M/P/C/5
5	OH2BH	377	340		66	N6NPG	319	319		5	EJ7SA	357	200	M/5
6	ON4UN	373	340	1975	67	K7MY	319	317	831	6	W8DX	357	200	M/5
7	N6UC	368	339		68	AK6I	317	317		7	N6AW	355	200	M/P/C/5
8	DJ9ZB	365	340	2665	69	W1YL	315	315		8	K6YUI	353	200	M/P/C/R/5
9	K6YUI	366	340	2598	70	KC6T	314	314		9	NS6C	345	200	
10	W6BCQ	365	339	1600	71	N6GP	314	292	1583	10	K6YRA	337	200	P/5
11	NS6C	361	340	2503	72	W6HB	311	311	1029	11	N6OU	220	200	
12	K6SMF	360	338		73	N6VNI	311	309	1550	12	SM5GMZ	352	200	M/P/C/5
13	W6SR	359	340	2799	74	NK6A	303	297	957	13	N6WS	391	199	M/P/C/R
14	W6HT	358	340		75	K6IRD	298	292	649	14	W6VX	352	199	M/P/C
15	K6FG	357	340	2774	76	ZL3TE	297	295	1430	15	K6GXO	358	198	M
16	K8RD	357	340		77	N6DHz	295	289	1053	16	W6ENZ	350	197	
17	WA6WZO	357	339		78	N6WT	294	294	1436	17	N6HY	365	196	M/P/C
18	N6RV	356	339	2191	79	N6UOZ	280	280		18	K6RO	327	196	M/P/C
19	W6OU	356	337	1599	80	KT6LA	279	277	1035	19	W6TK	326	195	
20	K6GXO	355	340	2633	81	WA6WDX	274	220		20	A16Z	321	194	
21	K5KT	355	340		82	K6VC	259	225		21	N6MXU	155	193	
22	W6TJI	355	338		83	K6SS	255	225	882	22	N6RV	347	190	M/P/C/R/5
23	K6IPV	355	335	1800	84	K6RI	250	250	597	23	KC6X	320	189	
24	N6QQ	354	338	2178	85	W3SE	249	244	754	24	N6QQ	337	187	
25	W6IRD	354	338		86	W6DOE	244	244	1005	25	KM6HB	316	186	
26	W8DX	352	339	2517	87	KQ6K	243	243		26	AC6DX	321	185	
27	W6RW	351	337	1991	88	N6VOH	243	222		27	W6YOO	308	185	
28	W6TK	350	340	1945	89	W6LEN	236	236	771	28	KR6C	324	184	
29	W6YOO	350	340	2130	90	K6JEY	234	234		29	W6DR	316	184	
30	KC6X	350	339	2081	91	N6HE	233	225	642	30	N6GP	304	184	
31	N6WS	351	339	2322	92	N6AA	222	222		31	W6OU	297	184	
32	N6HK	350	340		93	W6WVW	220	220	691	32	K7ACZ	308	183	
33	N7NR	350	329	1127	94	K6AWB	219	219		33	K4ST	278	182	
34	W6KK	349	340	1864	95	N6PM	219	219	1030	34	AA6PW	291	181	
35	W6ENZ	349	339	2383	96	K6DDJ	214	211	551	35	N6VNI	299	178	
36	W6VX	349	339	2772	97	NE6V	213	213	663	36	ZL3TE	294	178	
37	WA5VGI	348	340	2715	98	W6KC	203	202	589	37	K6KII	191	177	
38	N6HC	349	340	2319	99	W0PE	201	201		38	KT6LA	233	173	
39	K6ND	348	339	2562	100	W6JEA	195	195		39	K0OK	286	173	
40	N6IC	347	337		101	N6LL	169	169		40	K6SY	246	173	
41	SM5GMZ	346	335	2379	102	KF6I	166	166		41	W6ZPL	237	173	
42	N6HY	345	337	2424	103	K7LA	160	160	365	42	KJ6Y	261	172	
43	K6RO	345	336	2256	104	W6EA	152	152		43	N6WT	298	164	
44	W6FL	345	331	1223	105	W6QE	149	149	224	44	N6DHz	241	162	
45	KR6C	344	338	1985	106	N6DBF	142	142	374	45	NK6A	217	156	
46	K6LPO	344	331	1236	107	AB9A	141	141		46	W6KC	161	153	
47	N6PEQ	343	337	1941	108	K16RRD	139	138	376	47	W6FL	256	149	
48	KM6HB	343	336	1933	109	N6CA	133	133		48	N6PM	233	147	
49	N6PE	343	331	1941	110	N6RU	129	128	279	49	K7MY	227	141	
50	A16Z	342	335	2174	111	K6MKL	126	126	185	50	NE6V	207	141	
51	K7ACZ	341	337	1756	112	K6DSW	122	122	268	51	N6HE	195	134	
52	N6MXU	341	331	1416	113	KC6TOD	120	120		52	K6DDJ	182	132	
53	N6XT	339	332	1413	114	W6MKO	110	0	0	53	KB6CIO	192	126	
54	W6SW	339	331	540	115	K9TAD	109	109	137	54	K6IRD	154	126	M/P
55	W6ZPL	338	335	1367	116	KA6D	107	107		55	K6RI	198	118	
56	K4ST	337	333	1843	117	K6BBC	103	103		56	N6DBF	179	118	
57	K2IXQ	337	332	1746	118	NQ6L	101	101		57	W6SW	147	118	
58	K6SY	335	329	1070	119	K6SBA	100	100		58	K16RRD	181	113	
59	W6DR	331	326	1431	120	N6YQ	100	100		59	W3SE	102	112	
60	K6QU	329	323	1377	121	WA6MEM	100	100		60	W6IRD	151	111	M/P
61	K6JW	329	323	1068	122	N6RRY	100	70	125	61	K6VC	96	96	M/P
										62	N6RU	132	96	
										63	W6M KO	130	88	
										64	W6EA	92	86	
										65	N6UC	78	78	M
										66	KE6PLA	104	72	
										67	KA6TTV	82	67	
										68	K6QU	94	66	
										69	N6RRY	76	65	
										70	K9TAD	61	55	
										71	K6JW	40	40	M/P
										72	N6HK	40	40	M
										73	W6DOE	37	37	
										74	W6LEN	33	27	
										75	K6FOD	17	13	
										76	N6HC	17	13	M/P/C
										77	KB6TKV	17	13	P
										78	K8RD	17	13	C

2019 Get Schroeder Contest

1A0	4S	7Q	A3	CE9	E7	FK	GI	HS	KH0	LZ	PJ7	T2	TY	VK9L	VU4	YV0
1S	4U1ITU	7X	A4	CN	EA	FK/C	GJ	HV	KH1	OA	PY	T30	TZ	VK9M	VU7	Z2
3A	4U1UN	8P	A5	CO	EA6	FM	GM	HZ	KH2	OD	PY0F	T31	UA	VK9N	XE	Z3
3B7	4W	8Q	A6	CP	EA8	FO	GU	I	KH3	OE	PY0S	T32	UA0	VK9W	XF4	Z6
3B8	4X	8R	A7	CT	EA9	FO/A	GW	IS0	KH4	OH	PY0T	T33	UA2	VK9X	XT	Z8
3B9	5A	9A	A9	CT3	EI	FO/C	H4	J2	KH5	OH0	PZ	T5	UJ	VP2E	XU	ZA
3C	5B	9G	AP	CU	EK	FO/M	H40	J3	KH6	OJ0	R1F	T7	UN	VP2M	XW	ZB2
3C0	5H	9H	BS7H	CX	EL	FP	HA	J5	KH7K	OK	S0	T8	UR	VP2V	XX9	ZC4
3D2	5N	9J	BU	CY0	EP	FR	HB	J6	KH8	OM	S2	TA	V2	VP5	XZ	ZD7
3D2/C	5R	9K	BV9P	CY9	ER	FS	HB0	J7	KH8S	ON	S5	TF	V3	VP6	YA	ZD8
3D2/R	5T	9L	BY	D2	ES	FR/G	HC	J8	KH9	OX	S7	TG	V4	VP6/D	YB	ZD9
3DA	5U	9M2	C2	D4	ET	FR/J	HC8	JA	KL7	OY	S9	TI	V5	VP8	YI	ZF
3V	5V7	9M6	C3	D6	EU	FR/T	HH	JD1/M	KP1	OZ	SM	TI9	V6	VP8/G	YJ	ZK3
3W	5W	9N	C5	DL	EX	FT5W	HI	JD1/O	KP2	P2	SP	TJ	V7	VP8/H	YK	ZL
3XA	5X	9Q	C6	DU	EY	FT5X	HK	JT	KP4	P4	ST	TK	V8	VP8/O	YL	ZL7
3Y/B	5Z	9U	C9	E3	EZ	FT5Z	HK0/M	JW	KP5	P5	SU	TL	VE	VP8/S	YN	ZL8
3Y/P	6W	9V	CE	E4	F	FW	HK0/S	JX	LA	PA	SV	TN	VK	VP9	YO	ZL9
4J	6Y	9X	CE0X	E5/N	FG	FY	HL	JY	LU	PJ2	SV/A	TR	VK0H	VQ9	YS	ZP
4L	7O	9Y	CE0Y	E5/S	FH	G	HP	K	LX	PJ4	SV5	TT	VK0M	VR	YT	ZS
4O	7P	A2	CE0Z	E6	FJ	GD	HR	KG4	LY	PJ5	SV9	TU	VK9C	VU	YV	ZS8

Chart Legend	
White / Green	Entity Worked This Year by a Member
Black / White	Very Active Entity Not Yet Worked
Black / Blue	Entity with Announced DXpedition
Black / Yellow	Rarely Active Entity Not Yet Worked
Black / Red	Inactive Entity
	Deleted Entity

As can be seen December was a slow month... for some. The guys at the top barely moved but the pack is closing! Right now there are 3 days left. T7, 3D2/R, TA, and A7 are still highly prized and very active. Just one opening will propel the lower tier closer ... but not over the leader. Congratulations Kent! You worked a bunch more than anyone. Youth and vigor does overcome old age and failing body parts!

Well we reduced the ClubLog lead by 2, working TJ, and TL. The leaders did work 3D2R as did we. It seems that Libya is not going to reach us this year and we missed Mt. Athos! It is hard to believe we missed Minami Torishima. That is an easy one! All of us must have been asleep when VK9X, Christmas Island was active. We tried really hard to work 9N, Nepal. Some of us worked A5, Bhutan. You know, some of these entities were unheard of a year ago!

2019 Get Schroeder Leaders							
2019 Total Entities Worked							284
2018 Total Entities Worked by December							292
2019 Entities Worked by SCDXC							272
2018 SCDXC Entities Worked by December							277
2019 ClubLog Leaders							284
2018 ClubLog Leaders Entities Worked by December							290
2018 SCDXC Members							281
2018 SCDXC Leader (N6WS)							261
2018 ClubLog Leaders							292
Rank	Call	Entities	Lat Mo.	Last Yr	Leader	-Tot	-QQ
							Uniques
1	N6WT	251	2	-8	0	21	-11
2	N6WS	246	4	-16	-5	26	-6
3	W6TK	246	5	-3	-5	26	-6
4	N6QQ	240	3	-14	-11	32	0
5	N6RV	240	3	-23	-11	32	0
6	W6OU	233	2	29	-18	39	7
7	K6RO	219	4	219	-32	53	21
8	WA5VGI	214	2	41	-37	58	26
9	SM5GMZ	207	2	45	-44	65	33
10	K7ACZ	200	8	-13	-51	72	40
11	K6QU	195	1	70	-56	77	45
12	NS6C	187	12	-24	-64	85	53
13	A16Z	175	11	-25	-76	97	65
14	K6RI	175	4	22	-76	97	0
15	N6PM	172	4	35	-79	100	68
16	W6DR	170	20	39	-81	102	70
17	K0XP	167	6	167	-84	105	73
18	N6GP	159	6	26	-92	113	81
19	K6FG	153	11	33	-98	119	87
20	N6DHz	140	12	60	-111	132	100
21	W6ENZ	137	1	-2	-114	135	103
22	K6SY	136	3	136	-115	136	104
23	N6PE	133	67	-1	-118	139	107
24	ZL3TE	108	20	-28	-143	164	132

SCDXC Worked Not CLog

0

ClubLog Worked Not SCDXC

5A	J2	SV/A	VK9X
9N	JD1/M	TL	XZ
A2	JX	TN	YI

2019 Get Schroeder Contest

SCDXC Get Schroeder Standings 2019															
Rank	Call	160	80	60	40	30	20	17	15	12	10	6	Total	Slots	Yrs
1	N6WT	27	76	36	163	133	212	110	65	12	6	7	251	847	5
2	N6WS	79	##	83	164	142	216	136	##	34	16	17	246	1099	55
3	W6TK	25	89	43	171	163	217	159	93	29	16	3	246	1008	62
4	N6QQ	20	60	13	191	171	215	140	95	37	43	12	240	997	62
5	N6RV	0	5	7	192	113	196	97	92	24	28	20	240	774	51
6	W6OU	10	26	0	81	30	157	51	22	4	2	2	233	385	56
7	K6RO	11	58	20	136	92	193	151	91	34	29	9	217	824	31
8	WA5VGI	48	0	77	56	29	175	86	14	0	0	15	216	500	35
9	K7ACZ	13	24	0	101	40	169	32	12	4	1	0	200	396	50
10	K6QU	43	78	0	122	125	159	102	56	23	12	7	195	727	5
11	NS6C	41	45	0	98	51	128	41	22	3	3	8	187	440	62
12	AI6Z	1	14	0	81	2	163	11	56	2	10	0	175	340	26
13	K6RI	0	1	0	68	73	78	60	22	21	6	10	175	339	6
14	N6PM	42	95	48	95	78	111	55	38	29	6	3	172	600	25
15	W6DR	73	67	4	133	8	122	11	44	2	12	2	170	478	39
16	K0XP	24	59	0	151	32	82	22	19	3	1	0	167	393	1
17	N6GP	0	47	0	66	13	134	5	54	1	15	3	159	338	30
18	K6FG	40	45	0	75	14	119	36	20	1	1	14	153	365	63
19	N6DHZ	0	23	0	72	5	108	31	40	7	8	0	140	294	31
20	W6ENZ	35	29	8	94	43	89	42	31	8	6	7	137	392	52
21	K6SY	1	30	0	83	11	105	24	12	2	0	2	135	270	50
22	N6PE	17	19	4	71	45	84	31	54	12	12	2	133	351	54
23	ZL3TE	3	22	0	45	51	78	30	54	6	8	3	107	300	15
24	NK6A	0	0	0	38	0	86	8	53	0	7	0	99	192	74
25	K6FOD	2	17	0	54	38	30	27	16	1	1	1	96	187	1
26	K16RRD	1	11	0	35	23	27	50	32	6	2	3	80	190	11
27	KF6I	6	13	5	43	22	38	28	9	3	0	7	77	174	15
28	N6VNI	1	5	0	48	7	55	5	2	1	0	1	77	125	30
29	WB6DJI	0	8	0	42	1	61	12	12	1	1	1	76	139	6
30	W6M KO	0	25	0	42	25	36	4	1	0	0	2	69	135	2
31	N6HY	2	7	1	45	5	48	1	0	0	0	0	69	109	66
32	KE6PLA	1	2	0	5	14	61	15	17	0	2	2	66	119	3
33	K7MY	0	7	0	26	0	42	0	32	0	4	0	62	111	42
34	N6DBF	0	1	0	40	23	25	0	3	0	0	1	55	93	33
35	W6LEN	0	6	0	27	11	28	10	8	0	1	0	47	91	41
36	W6SR	0	7	1	6	28	15	13	8	11	1	3	44	93	52
37	KR6C	2	1	0	17	2	14	1	5	0	2	0	34	44	41
38	NE6V	0	10	0	4	11	7	5	2	0	0	1	32	40	23
39	K9TAD	0	1	0	3	2	19	3	0	0	0	1	25	29	12
40	KB6CIO	0	4	0	9	10	13	8	4	0	0	0	21	48	36
41	N6RRY	0	1	0	9	0	8	0	0	0	0	1	16	19	31
42	KJ6UVQ	0	0	0	3	0	12	0	2	0	1	0	14	18	7
43	N6RU	0	0	0	1	0	12	0	3	0	0	0	14	16	13
44	W6SW	0	0	0	1	0	8	2	1	0	0	0	9	12	40
45	K6YUI	0	0	0	1	2	3	0	0	0	0	1	6	7	62
46	KC6X	0	5	0	0	0	0	0	0	0	0	0	5	5	42
47	AA6PW	1	3	0	4	0	3	0	2	0	0	0	4	13	32
48	W6KC	0	1	0	2	0	2	0	0	0	0	0	3	5	59

2019 SCDXC Slot Leaders		
Rank	Call	Slots
1	N6WS	1099
2	W6TK	1008
3	N6QQ	997
4	N6WT	847
5	K6RO	824
6	N6RV	774
7	K6QU	727
8	N6PM	600
9	WA5VGI	500
10	W6DR	478
11	NS6C	440
12	K7ACZ	396
13	K0XP	393
14	W6ENZ	392
15	W6OU	385
16	K6FG	365
17	N6PE	351
18	A16Z	340
19	K6RI	339
20	N6GP	338
21	ZL3TE	300
22	N6DHZ	294
23	K6SY	270
24	NK6A	192
25	K16RRD	190
26	K6FOD	187
27	KF6I	174
28	WB6DJI	139
29	W6M KO	135
30	N6VNI	125
31	KE6PLA	119
32	K7MY	111
33	N6HY	109
34	N6DBF	93
35	W6SR	91
36	W6LEN	91
37	KB6CIO	48
38	KR6C	44
39	NE6V	40
40	K9TAD	29
41	N6RRY	19
42	KJ6UVQ	18
43	N6RU	16
44	AA6PW	13
45	W6SW	12
46	K6YUI	7
47	KC6X	5
48	W6KC	5

160M SCDXC Standings		
Rank	Call	Score
1	N6WS	79
2	W6DR	73
3	WA5VGI	48
4	K6QU	43
5	N6PM	42
6	NS6C	41
7	K6FG	40
8	W6ENZ	35
9	N6WT	27
10	W6TK	25
11	K0XP	24
12	N6QQ	20
13	N6PE	17
14	K7ACZ	13
15	K6RO	11
16	W6OU	10
17	KF6I	6
18	ZL3TE	3
19	K6FOD	2
20	N6HY	2
21	KR6C	2
22	A16Z	1
23	K6SY	1
24	K16RRD	1
25	N6VNI	1
26	KE6PLA	1
26	AA6PW	1

6M SCDXC Standings		
Rank	Call	Score
1	N6RV	20
2	N6WS	17
3	K6FG	14
4	N6QQ	12
5	K6RI	10
6	K6RO	9
7	WA5VGI	9
8	NS6C	8
9	N6WT	7
10	K6QU	7
11	W6ENZ	7
12	W6TK	3
13	N6PM	3
14	N6GP	3
15	K16RRD	3
16	W6SR	3
17	KF6I	3
18	W6OU	2
19	K6SY	2
20	W6M KO	2
21	KE6PLA	2
22	K6FOD	1
23	WB6DJI	1
24	ZL3TE	1
25	N6VNI	1
26	N6PE	1
27	NE6V	1
28	N6DBF	1
29	K9TAD	1
30	N6RRY	1
31	K6YUI	1

Entities Worked on 6 Meters

9Y FG KL7 VE
 BY HI KP4 VK
 C6A J6 PY XE
 CO JA PZ YV
 CT K TI ZF
 EA8 KH6 V3

All Continents Worked Except
 Antarctica

Modifying the Cushcraft MA-160V Vertical for 80m or 60m

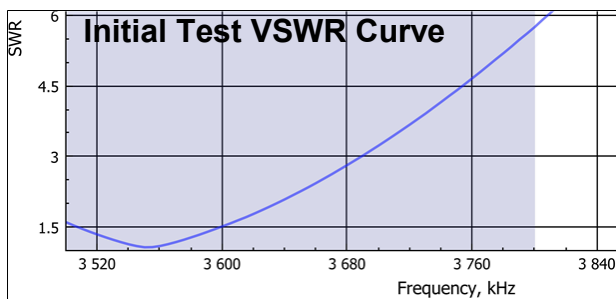
Bill Shell, N6WS

For the last two winters, I used a pair of phased Cushcraft MA-160V vertical antennas on 160m. The verticals were a significant improvement over my quarter-wave sloper. Using the phased verticals, I was able to raise my countries worked total on 160m from 33 to 121 without a lot of concentrated effort. I had met my goal of 100 countries on 160m, so I wanted to try something else. I could use more countries on 80m and 60m, so I thought I would put some emphasis on those bands.

I had always thought my 80m quarter-wave sloper worked pretty well until I compared it to how well I did on 160m with just a single vertical. With a single vertical on 160m, I was having no problem working the DXpeditions and new countries that popped up on the DXCluster. After looking at the options of adding an 80m vertical, I decided to go ahead and modify my westerly MA-160V into an 80m vertical, and compare that to my sloper. The modification to the MA-160V was pretty easy. I just replaced the loading coil with one I made.

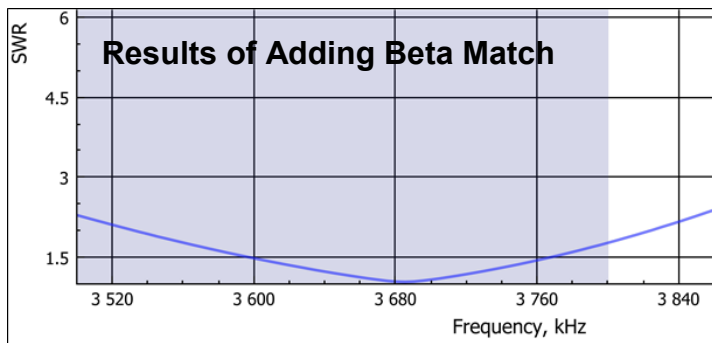
For those not familiar with the MA-160V, it consists of a 26.5 ft vertical section, a 1.0 ft loading coil, an 8.0 ft top hat for C loading, and a 3.5 to 9 ft adjustable stinger. This configuration allows for easy modification by simply changing the inductance in the loading coil. I ran an EZNEC model on the 160m version, changed the inductance value to give me a resonance at 3.55 MHz. I just needed to form a 22uH coil on a piece of 2" black ABS pipe from the local Ace Hardware store.

After replacing the coil, the impedance at the feed-point resulted in 37-Ohms. I decided no other modification was necessary to try out the antenna. I would work on raising the feed-point impedance later. I connected the coax, tuned the automatic antenna tuner in my Expert 2K-FA and ran a first test. I had a short late morning QSO with a station in Oregon just to see that it was working. Testing through the next week, showed the antenna was working pretty well.



I thought the CQ Worldwide CW Contest would be a pretty good opportunity to compare the vertical to the sloper. On that Friday to get ready for the contest, I shortened the stinger at the top of the antenna, and added a beta matching at the feed-point. When I was finished, I realized the I had a very good match at the antenna feed-point, but the resonance was at 3.68 MHz instead of my target 3.55 MHz. I had shortened the stinger too much. Oh well, it was already noon, the contest was to start in four hours, and I wanted to take a short nap. I decided to use it the way it was, and use the antenna tuner in my Expert 2K-FA to compensate.

and I wanted to take a short nap. I decided to use it the way it was, and use the antenna tuner in my Expert 2K-FA to compensate.



The difference in the antennas I noted in the time before the contest was the sloper seemed to receive a bit better, but I 'think' the vertical did a better job on transmit. My only test tool was the Remote Beacon Network (RBN) for comparing the antennas. Since I use K9AY loops for receive on 80m, I decided to just use the vertical instead of trying to switch between the antennas. Comparison testing could wait until another day.

My country count on 80m was 156 worked, so I set a new target of boosting that to hopefully over 200. During the contest I only made 59 QSO in 19 Zones and 39 Countries on the first evening. The vertical, although not optimized for CW, was working pretty well.

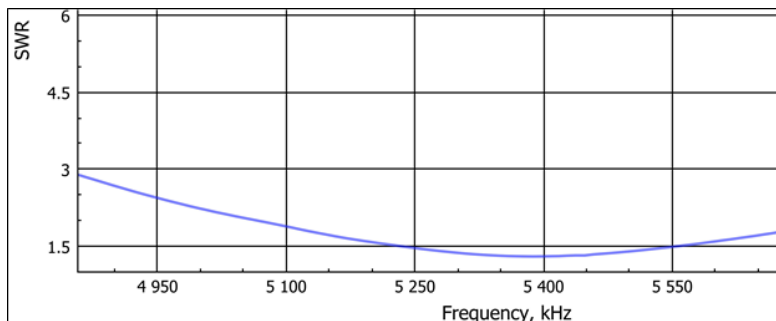
I was satisfied the vertical, but wanted to correct the resonance to 3.55 MHz. Instead of changing the length of the stinger to make it resonant on 3.55 MHz, I decided to try something different. I added 1-1/2 turns to the Beta matching coil between the coax center conductor and the antenna. That shifted the resonance to the desired 3.55 MHz. The added inductive loading can be shorted across to shift the resonance up to the phone band. I will have to add the ability to switch the antenna from CW to phone by adding a control line and relay at the base of the antenna. (Another project.)

Since the vertical antenna modification, I have been able increase my band/countries on 80m from 156 to 203. Overall, I am happy with the modified vertical on 80m.

While going through the effort of modeling the 80m vertical, I noticed the MA-160V could easily be modified to 60m. So, I bought a third MA-160V, and have now modified it for 60m. You can simply remove the inductive loading by shorting from the bottom vertical section to the top hat, and the antenna is resonant at 5.360 MHz. The feed-point impedance with four 44 ft. radials is 46 Ohms, so no other compensation is necessary.

Contrary to what you may have heard from the ARRL, there really is DX on 60m. I now have 92 countries on 60m. With Chip's (N6CA) article in the newsletter last month and this article, I hope more of you get on 60m. There are more and more countries authorizing their operators on 60m, so it always fun to work the new ones as they get on.

I have not included any construction details in this article. I can provide those details to anyone interested in building modifying their MA-160V to work on 80m or 60m. Eventually, I will put the info on my Projects Webpage, <https://www.n6ws.com/projects/>. That will be after I finish with the 80m band/segment remote control. (Maybe next summer)



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Tid Bits

New Potential DXer (N6RV)

Long time friend and engineer Tony Schilling has just passed his General Exam. His call is KK6SXZ. Tony is in the market for an HF transceiver and is in an HOA. He is looking for sneaky antenna ideas! BTW Tony is 87 years young and he has macular degeneration and spinal stenosis. He does not drive and will need help with his set up.

Advancing the Art of CW and a New DX Cluster(W6HB)

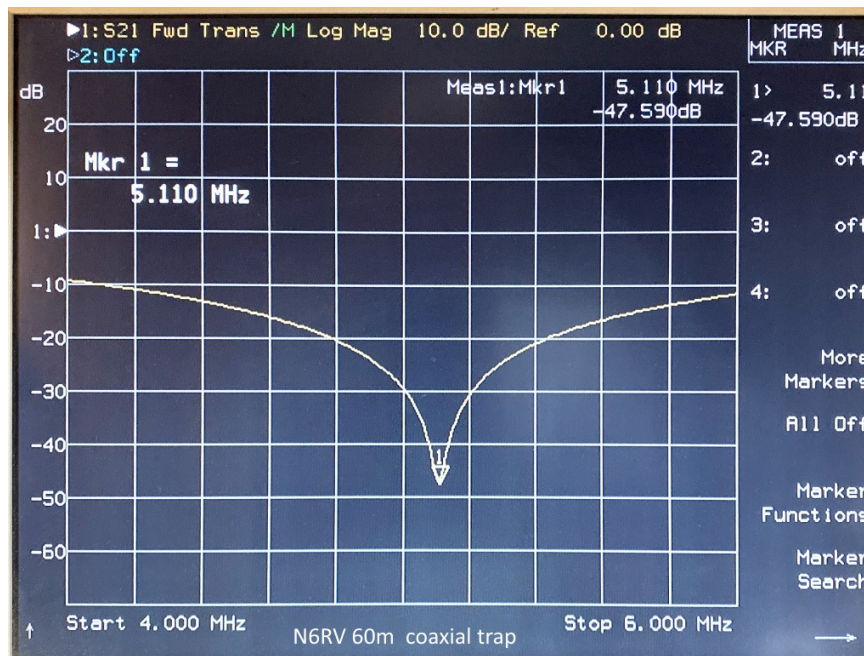
Doug forward these links:

[CWops Award for Advancing the Art of CW](#)

[DXHeat | DXCluster & DX Research Tool](#)

Addendum to the 80/60 Sloper Article

This insertion Loss sweep of the trap was left out of Chip's article. Note the resonance is not at the operating frequency:



Tid Bits

For Sale (K6RO)

2 Alpha 87a: 1500 watt amp
full output on all bands.
ser # 91190053 w/box and manual.
Comes with Alpha Power remote software. I never tried it.
I purchased this amp used in 2007 hoping to get back on the air.
Sat in box for 12 years. I never used it as my HOA said no radio. Very low hours.
Great amp for someone not wanting to spend \$6500 or more for a new amp.
\$2995 obo ..pickup only in RPV area.

1 Alpha 87a: 1500 watt amp
full output on all bands. w/box
I purchased it from a local ham who almost never used it. Excellent condition, very minimal paint chips.
Was back to Alpha for a minor repair in 2008, and almost no use since then.
Can supply a copy of my other manual.
\$2995 obo ..pickup only in RPV area.

Used Force 12 C3-SS 10/15/20M Yagi..works on 12/17 with a tuner.
Works great.
Retail new \$1229.00

Please Contact Larry at his QRZ.com email address.

For Sale (K6QU)

Jerry has an **Icom PW-1** Solid State Amplifier for sale. It has just been refurbished by Icom.
Asking \$2000 plus shipping. He will deliver it locally.

For Sale (K6YRA)

Acom 2000A - \$2950 firm

One owner - New in 2008 - Great Condition!
50W in 1500W Out
Includes extra set of tubes, manual, Original box

Prefer pick up

818 515 4075

Resource Page

Useful DX Sites

N0HR DXpedition Map
www.n0hr.com/wk34/

The DX Zone
www.dxzone.com/catalog/DX_Resources/

The Daily DX
www.dailydx.com/

Announced DX Ops
www.ng3k.com/misc/adxo.html

DXing.info
www.dxing.info/dxpeditions/

DX 425 News
www.425dxn.org/dxped/

Dx-info.de
www.dx-info.de

DX Italia DX News

ARRL VE Exam Sessions

To find an ARRL exam sessions in your area go to the website:
<http://www.arrl.org/find-an-amateur-radio-license-exam-session>

Club and Conduct Sites

Officer Guidelines

http://www.scdxc.org/download/Officer_Guidelines.pdf

DX Code of Conduct

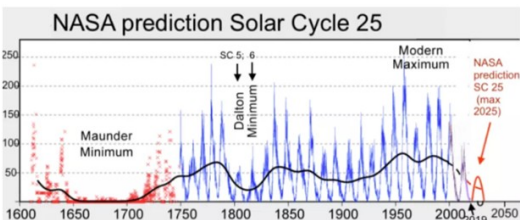
<http://www.dx-code.org/>

Propagation

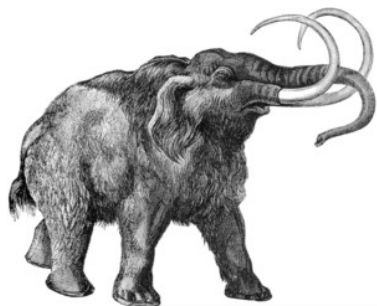
Maybe

Is there hope? The SSN jumped up for the past two days and the SFI was above 79 all month!

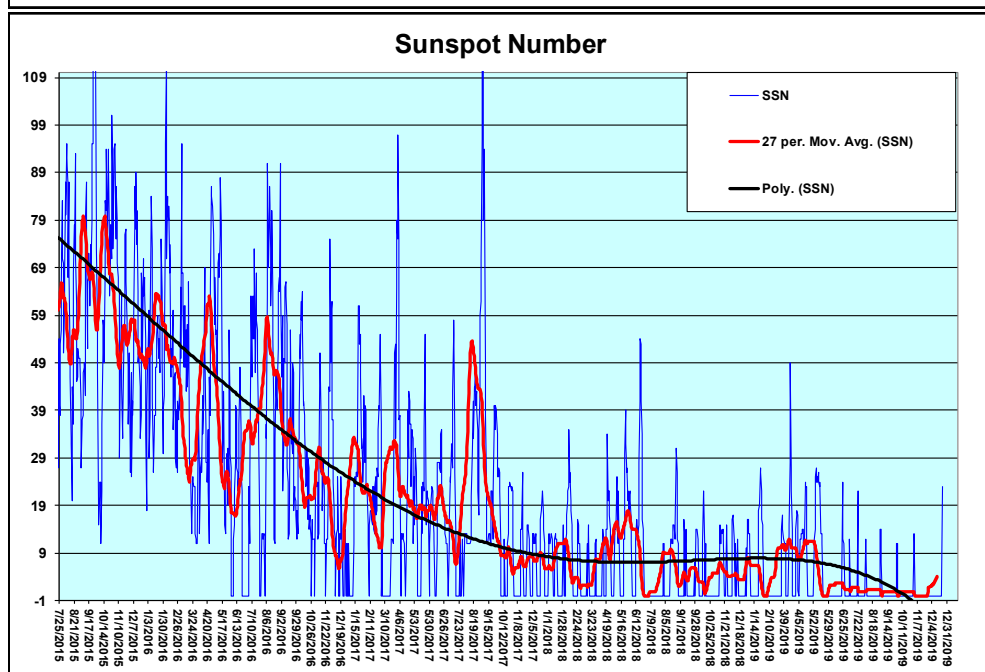
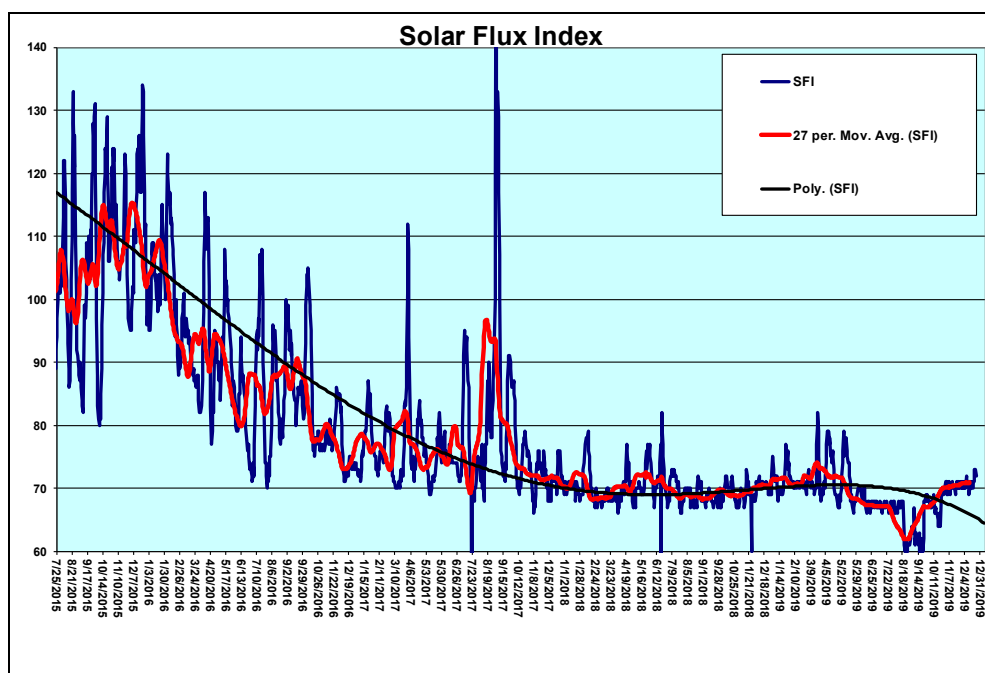
John, N6QQ, forwarded this solar prediction. Given 25 solar scientist there are usually 37 predictions!



<https://wattsupwiththat.com/2019/12/12/deep-solar-minimum-on-the-verge-of-an-historic-milestone/>



Maunder Minimum.. Maunder Minimum!





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San Diego	sd@hamradio.com	1-858-560-4900	1-800-854-6046	1-858-560-1705

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